

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#44  
B. White  
10-15-93  
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GROUP 1800

Applicants: David C. Ward et al.

Serial No. 07/130,070

Group Art Unit: 1807

Filed: December 8, 1987

Examiner: Ardin Marschel, Ph.D.

For: Modified Nucleotides and Methods of Preparing and Using Same

**SUPPLEMENTAL DECLARATION OF DAVID C. WARD  
PENNINA R. LANGER-SAFER AND ALEXANDER A. WALDROP, III**

We, David C. Ward, Pennina R. Langer-Safer and Alexander A. Waldrop, III,  
declare that:

1. We are the applicants named in the above-identified application and the inventors of the products and methods disclosed and claimed therein. We are also the same applicants and inventors named in U.S Application Serial No. 06/496,915, filed on May 23, 1983, which issued on December 8, 1987 as U.S. Patent No. 4,711,955. The above-identified application is a divisional of Serial No. 06/496,915.

2. In U.S. Application Serial No. 06/496,915, we submitted a Declaration under 37 C.F.R. §1.131 in support of a response entitled "Amendment Under 37 C.F.R. §1.116 and Statement Under 37 C.F.R. §§1.56 and 1.99," which was filed on June 16, 1987. We have reviewed the submitted Declaration Under 37 C.F.R. §1.131 which is attached hereto as Exhibit 1, and we confirm that all of the statement made therein are accurate.

3. We confirm that all of the experiments described in paragraphs 4, 5, 6, and 7 as documented by Exhibits A-D (laboratory notebook pages) of our aforementioned Declaration Under 37 C.F.R. §1.131 were performed in the United States.

**Enz-1 (Div. III)**

David C. Ward et al.  
Serial No. 07/130,070  
Filed: December 8, 1987

Page 2 - Supplemental Declaration of David C. Ward, Pennina R. Langer-Safer and  
Alexander A. Waldrop, III

4. We, David C. Ward, Pennina R. Langer-Safer and Alexander A. Waldrop, III declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment or both under Section 1001 of Title 18 of the United States Code and that such willful, false statements may jeopardize the validity of this application or any patent issuing thereon.

Signed in Connecticut this  
4<sup>th</sup> day of October, 1993

  
\_\_\_\_\_  
David C. Ward

Signed in Massachusetts this  
\_\_\_\_ day of \_\_\_\_\_, 1993

\_\_\_\_\_  
Pennina R. Langer-Safer

Signed in Maine this \_\_\_\_ day  
of \_\_\_\_\_, 1993

\_\_\_\_\_  
Alexander A. Waldrop, III

David C. Ward et al.

Serial No. 07/130,070

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Signed in Connecticut this  
\_\_\_\_ day of \_\_\_\_\_, 1993

\_\_\_\_\_  
David C. Ward

Signed in Massachusetts this  
4<sup>th</sup> day of October, 1993

Pennina R. Langer-Safer  
Pennina R. Langer-Safer

Signed in Maine this \_\_\_\_ day  
of \_\_\_\_\_, 1993

\_\_\_\_\_  
Alexander A. Waldrop, III

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Signed in Connecticut this  
\_\_\_\_ day of \_\_\_\_\_, 1993

\_\_\_\_\_  
David C. Ward

Signed in Massachusetts this  
\_\_\_\_ day of \_\_\_\_\_, 1993

\_\_\_\_\_  
Pennina R. Langer-Safer

Signed in Maine this 1<sup>st</sup> day  
of October, 1993

Alexander A. Waldrop, III  
Alexander A. Waldrop, III

CERTIFICATE UNDER 37 C.F.R. §3.73(b)

Applicants: David C. Ward, et al.

Application No. 07/130,070 Filed: December 8, 1987

For: MODIFIED NUCLEOTIDES AND METHODS OF PREPARING AND USING SAME

Yale University, a corporation

(Name of Assignee)

(Type of signee, e.g., corporation, partnership, university, agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

- A.      An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy thereof is attached.
- B.   X   A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:
- David C. Ward, Pennina R. Langer
1. From: and Alexander A. Waldrop, III To: Yale University  
The document was recorded in the Patent and Trademark Office at Reel 3950, Frames 423-427, or for which a copy thereof is attached.
2. From:                                      To:                                       
The document was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy thereof is attached.
3. From:                                      To:                                       
The document was recorded in the Patent and Trademark Office at Reel     , Frame     , or for which a copy thereof is attached.

     Additional documents in the chain of title are listed on a supplemental sheet.

     Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 10/1/93

Name: Dorothy K. Robinson

Title: General Counsel, Yale University

Signature: Dorothy K. Robinson